



Water Advisory

Volume 16 Issue 1

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2013 Consumer Confidence Edition
4/1/2014

*From the Manager's Desk.....
The Sunshine Ridge project has finally become a reality. We have the water line and all the meters installed on this project. Currently we will be providing water for 42 different households in the area. The project was completed by Little Creek Construction of Greenup Kentucky. This company did an excellent job in both the installation and the renovation of the project. A 120-foot tall standpipe was also installed by Mid Atlantic Storage Systems from Washington, C.H., Ohio. This tank is 14 feet in diameter and holds approximately 140,000 gallons of water. Some of the residents on Sunshine Ridge worked very hard in obtaining this water. We thank them for all their work and for the acquisition of right-of-way easements and the property for the tank site. We appreciate the new customers as well.*

WATER: Our most precious natural resource!



From Atop Sunshine Ridge Tank!

Northeast Quadrant

We are currently seeking funding for a bundle project for the northeast quadrant of our district which will include Poplar Grove Road/Bettys Creek area as well as the Peach Mountain area. We will be having meetings in the area concerning this project. We need to acquire right-of-way easements as well as property for a tank site. Look for us in the area very soon. We have several smaller areas within the system that are without water service. It is always our desire to serve those areas. If you are interested in obtaining water in your area, please let us know as we are keeping a list of potential projects.

Reminders !!!!

Meters

We have been installing new AMR meters and still have a few to go to be complete. We would like to remind everyone to leave the meter lid on the pit during freezing weather. If the meter freezes, it will ruin the equipment. If this is caused by customer negligence, we will be billing for the equipment.

Flush Hydrants

If you see someone tampering or taking water from a flushing hydrant, please call the business office or the water treatment plant and report it. This will help keep your water rates down.

Geographical Information System

We are still working on our GIS. You may see employees out in the system with GPS units. These units will actually make reference points through the Global Positioning Satellite System to be placed in our GIS system for future use. This system will aid us in many endeavors in the future. We will be able to know trouble areas where we may need to replace pipe. We will have a geographical point for all of our assets. It will help us in the training of new employees. It will also help us to know what areas to isolate with the least amount of disruption should we have a leak. We could also do a phone blast to let customers in the area know of the disruption.

Rick Adamson, General Manager

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Water Treatment Plant (24/7)
937-549-2339 or 800-252-3454

Business Office (M-F- 8:00-4:30)
937-544-2396 or 800-288-0039

For More Information about your drinking water contact Chris Hanson or Jeanie Howard at (937) 549-2339 or (800) 252-3454. You can also contact us via e-mail at: acwtp98@frontier.com

New Operators

ACRWD is proud to announce that it has several new operators on staff. We are proud to have such a professional staff at ACRWD. Here is a list of our current operators.

- Class III Water- Rick Adamson*
- Class II Water- Chris Hanson*
- Class II Water- Cory Bess*
- Class II Water- Tommy Durbin*
- Class I Water- Jeanie Howard*
- Class I Water- John Hayslip*
- Class I Water- Brett Grooms*
- Class I Water- Dusty Dryden*

We also have three new employees: Amanda Thompson, Dustin Crothers and Cory Tolle.

Where Does My Water Come From?

ACRWD receives its water from eight wells that are drilled into the Ohio River Aquifer. These wells are approximately 75 feet deep. Ohio EPA considers this source to be ground water. The well field is situated on the south side of US 52 and just west of the Wrightsville area. From these wells ACRWD pumped 699,588,000 gallons of water in 2013. This is an average of 65.5 gallons per day per person served.

BE SAFE AND CALL BEFORE YOU DIG!

Hey Ohio!
Call Before You Dig



1-800-362-2764
www.oups.org

About Your Drinking Water:

The EPA requires regular sampling to ensure drinking water safety. The Adams County Regional Water District conducted sampling for bacteria, nitrate, nitrite, TTHM & HAA5 contaminants during 2013; synthetic organic chemicals in 2011; MCL in-organics, radiological, volatile organic, and lead and copper in 2011. Samples were collected for a total of 185 different regulated contaminants in 2008 -2013. We also tested for 20 different unregulated contaminants during the same years. Most of these contaminants were not detected in the Adams County Regional Water District's water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, is more than one year old.

Improvements.....

In 2013, we completed the last phase of the telemetry system at the water treatment plant. This has improved our ability to monitor and control our distribution system. We installed some small customer-funded line extensions. We installed approximately 1200 AMR meters, added points to the GIS system, upgraded our camera system at the office complex, and upgraded our security systems at the office complex and the water treatment plant. The Sunshine Ridge Road project was completed and put into service in 2013. We purchased some equipment storage sheds for the office complex as well as the plant complex. In 2013 we purchased a tractor and rotary cutter to keep our property around the plant and well field maintained.

In 2014, we plan to install the Bettys Creek/ Peach Mountain line extension. We intend to purchase 2 new pickup trucks and a service truck as some of our trucks are aging and to buy a new plasma cutter for the shop. Plans are to install new guttering at the WTP as well as renovate a storage building there. We anticipate installing VFD's on our high service pumps to save on utility cost and better maintain the motors. An upgrade and installation of a new line on Rigdon Road and Logans Lane will help us better serve our customers in this area. It will also give us a redundant feed for emergency purposes. We are considering line upgrades to Paint Road and possibly filling in a spot on Cutacross Road and will also be installing more AMR meters this year. Various office equipment will be purchased as needed. We are seeking funding for a water tank in the Louisville Road area which will allow us to keep more customers in service during unexpected outages.

How Do I Participate in Decisions Concerning My Drinking Water?

Public participation and comments are encouraged at regular meetings of the **Board of Trustees**, which meets the second Thursday of each month @ 7:30 pm. Meetings are held at the main office located at 9203 SR 136, West Union, Ohio. For more information call the business office @ 800-288-0039 or 544-2396 between the hours of 8:00 am and 4:30 pm, Monday through Friday.

Who Needs To Take Special Precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infection. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline. Please call (1-800-426-4791).

Definitions Of Some Terms Contained Within This Report

Maximum Contaminant Level Goal (MCLG):

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Maximum Contaminant Level (MCL)

The highest level of contaminant that is allowed in drinking water. MCL's are set as close to MCLG's as feasible using the best available treatment technology.

Parts Per Million (ppm) or Milligrams Per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.

Parts Per Billion (ppb) or Micrograms Per Liter (ug/L) are units of measure for a concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

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

The symbol < as used in this report stands for less than.

BDL: Below Detection Level

Happy Retirement!

ACRWD would like to wish another employee a happy retirement. This past year we saw another long-term employee retire. We wish Lucius Merrill a long and happy retirement. Lucius was an excellent employee and always had the District's best interests at heart when making decisions. His work ethic and perky attitude will be sorely missed.

Contaminants: Listed below is information on those contaminants which were tested in the ACRWD's water.

Contaminants (Units)	MCGL	MCL	Level Found	Range of Detections	Sample Year	Violation	Typical Source of Contaminants
Inorganic Contaminants							
Nitrate (mg/L)	10	10	.228	n/a	2013	No	Run Off From Fertilizer Use & Erosion of Natural Deposits
Fluoride (mg/L)	4	4	1.06	.81- 1.06	2013	No	Added To Water As An Aid To Dental Hygiene
Chlorine (mg/L)	4	4	1.39	1.03-1.39	2013	No	Water Additive to Control Microbes
Nitrite (mg/L)	n/a	1	.228	n/a	2013	No	Run Off From Fertilizer Use & Erosion of Natural Deposits
Lead (ug/L)	n/a	AL= 15	3.01	BDL- 3.66	2011	No	Corrosion of Household Plumbing Systems
Copper (ug/L)	n/a	AL= 1300	982	7.34- 982.0	2011	No	Corrosion of Household Plumbing Systems
Barium (mg/L)	n/a	2	.021	n/a	2008	No	Drilling Waste, Metal Refineries, and Erosion of Natural Deposits

In 2011 there were 30 lead and copper samples taken in ACRWD's distribution system. Of those 30 samples, no samples were found to be above the action levels.

Volatile Organic Chemicals							
TTHM's (ug/L)	0	80ug/L	33.86ug/L	14.39-33.86 ug/l	2013	No	By Product of Drinking Water Chlorination
HAA5 (ug/L)	60	60ug/L	8.683ug/L	2.139- 8.683 ug/L	2013	No	By Product of Drinking Water Chlorination

"We have a current, unconditioned license to operate our water system."

Violations: ACRWD did not have any violations in 2013.

Below is a list of contaminants tested for but were not found or were below detection level in ACRWD's water.

Microbiological							
In 2013, ACRWD tested 240 system samples, which the Ohio EPA requires, for coliform bacteria and E-coli. We also tested 72 special samples which consist of boil advisories and/or new line construction, and 287 for local villages in the county. This was a total of 599 samples in which all samples tested negative for the above specified bacteria.					2013	No	Naturally Present in The Environment
Inorganic Contaminants							

WHAT ARE THE SOURCES OF CONTAMINATION TO YOUR DRINKING WATER?

The sources of drinking water, both tap and bottled water, include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity.

Contaminants that may be present in source water include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage water treatment plants, septic systems, agricultural livestock operations, and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. 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 Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Adams County Regional Water District
9203 SR 136
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Lead...what you need to know.....

“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. Adams County Regional Water District 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 at <http://www.epa.gov/safewater/lead>.”

Source Water Area Protection (SWAP)

In 2003, Ohio EPA completed a study of Adams County Regional Water’s source of drinking water to identify potential contaminant sources and provide guidance on protecting the drinking water source. According to this study, the aquifer (water rich zone) that supplies water to Adams County Regional Water has a high susceptibility to contamination. This determination is based on the following:

- Lack of a protective layer of clay overlying the aquifer.
- Shallow depth of the aquifer.
- Presence of significant potential contaminant sources in the area

This susceptibility means that under current existing conditions, the likelihood of the aquifer becoming contaminated is relatively high. This likelihood can be minimized by implementing appropriate protective measures.

Some measures that can be utilized are as follows:

- Check your septic system and make sure it is always working properly
- Dispose of all oil and petroleum products the proper way.
- Avoid creating junk piles open to the rain, as runoff and infiltration from these piles can contaminate source water.
- Maintain vehicles so leaks will not contaminate the source water.
- Report to the Water District anything that looks questionable.



ACRWD has acquired the property adjacent to the plant and well field. This property contains approximately 130 acres and will help to keep contamination from future septic systems and other contaminants away from the well field. It is our job to assure that clean drinking water will be available for many generations to come. We feel that this acquisition will help this assurance be a reality as well as give us plenty of room for growth when that need arises.

ACRWD has also completed a source water protection plan that has been endorsed by Ohio EPA. You can read more about source water area protection (SWAP) on our website at www.acrwd.com/id54.html. You may also pick up a brochure at the business office and at all Adams County Public Library Branches.

For more information about SWAP contact Rick Adamson at 937-544-2396 or e-mail: rickadamson@acrwd.com

Thank You..... For allowing Adams County Regional Water District to provide you with a safe, reliable source of potable water. We are dedicated to having licensed professionals operate our system to ensure our customers the best water quality possible. We are also dedicated to the furtherance of education for these professionals. With additional upgrades to our entire system, we expect that water quality will continue to improve and make our customers proud of their water system.

“Adams County Regional Water District is an Equal Opportunity Provider and Employer.”