

# Town of Sudlersville

## 2016 Drinking Water

### Quality Report



## Important Information About Your Drinking Water

We're pleased to present to you the Annual Water Quality Report for 2016. This report is designed to inform you about the water quality and services we deliver to you every day. Maryland Environmental Service (MES), an Agency of the State of Maryland, operates the water treatment facility and prepared this report on behalf of the Town of Sudlersville.

The Environmental Protection Agency (EPA) regulates Public Water Systems and the contaminants found in water through the implementation of the Safe Drinking Water Act (SDWA). The SDWA sets regulations and guidelines for how public water systems operate and identifies several hundred drinking water contaminants, establishes monitoring frequencies and limitations. The Maryland Department of the Environment (MDE) is responsible for the enforcement of the SDWA and routinely complete Sanitary Surveys as part of their ongoing inspection and monitoring program. MES provides safe dependable operations of the water system and is dedicated to consistently providing high quality drinking water that meets or exceeds the SDWA standards.

If you have any questions about this report or have questions concerning your water utility, please contact *Jay Janney* at 410-729-8350, e-mail [jjann@menv.com](mailto:jjann@menv.com).

### For More Information:

For the opportunity to ask more questions or participate in decisions that may affect your drinking water quality, the Town Commissioners meet the *1st Wednesday of each month in the Town Hall*.

### Inside This Issue:

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**T**he Town of Sudlersville water works consists of two drilled wells in the Aquia aquifer. After the water is pumped out of the wells, it undergoes arsenic reduction treatment and disinfectant is added to protect against microbial contaminants. Treated water is then pumped into the distribution system. The Maryland Department of the Environment has performed an assessment of the source water. A copy of the results is available. Call *Maryland Environmental Service* at 410-729-8350

**S**ome 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 infections. 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 microbial contaminants are available from the *Safe Drinking Water Hotline* (1-800-426-4791).

# Town of Sudlersville Treated Water Quality Report 2016

## Definitions:

- ◆ **Maximum Contaminant Level Goal (MCLG)** - 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.
- ◆ **Maximum Contaminant Level (MCL)** - 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.
- ◆ **Action Level** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow
- ◆ **Treatment Technique (TT)** - A required process intended to reduce the level of a contaminant in drinking water
- ◆ **Turbidity** - Relates to a condition where suspended particles are present in the water. Turbidity measurements are a way to describe the level of “cloudiness” of the water.
- ◆ **pCi/l** - Picocuries per liter. A measure of radiation.
- ◆ **ppb** - parts per billion or micrograms per liter
- ◆ **ppm** - parts per million or milligrams per liter



## Special points of interest:

During 2011 the new water treatment plant and tower went on-line. In addition to the plant being able to meet all state a federal drinking water quality requirements, the new water treatment system will be able to treat enough water to meet the Towns peak usage and fire protection needs. If you have any questions please contact the Town Office.

The water at the Town of Sudlersville is tested for over 120 different compounds.

The Town of Sudlersville Drinking Water met all of the State and Federal requirements.

Drinking Water, including bottled water, may reasonably be expected to contain at least small amounts of some compounds. The presence of these compounds 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 (EPA's) Safe Drinking Water Act Hotline (1-800-426-4791)*

# Town of Sudlersville Treated Water Quality Report 2016

| Contaminant   | Highest Level Allowed<br>(EPA's MCL) | Highest Level Detected      | Ideal Goal<br>(EPA's MCLG) |
|---|--------------------------------------|-----------------------------|----------------------------|
| Regulated at the Treatment Plant  |                                      |                             |                            |
| Arsenic (2016 Testing)  | 10 ppb                               | 2.6 ppb                     | 10 ppb                     |
| Typical Source of Contamination: Erosion of natural deposits                          |                                      | (Range 0.0 ppb - 2.6 ppb)   |                            |
| Fluoride (2016 Testing)   | 4000 ppb                             | 122 ppb                     | 4000 ppb                   |
| Typical sources of contaminant: Water additive that promotes strong teeth             |                                      | (Range 114 ppb - 122 ppb)   |                            |
| Barium (2016 Testing)   | 2000 ppb                             | 21.3 ppb                    | 2000 ppb                   |
| Typical Source of Contamination: Erosion of natural deposits                          |                                      | (Range 20.6 ppb - 21.3 ppb) |                            |
| Regulated in the Distribution System  |                                      |                             |                            |
| Chlorine  | 4 ppm                                | 1.03 ppm *                  | 4 ppm                      |
| Water additive used to control microbes   |                                      | Range (0.67 - 1.67)         |                            |
| * Average of results  |                                      |                             |                            |
| Haloacetic Acids (HAA5) (2014 Testing)  | 60 ppb                               | 5.21 ppb                    | n/a                        |
| Typical Source of Contamination: By-product of drinking water disinfection            |                                      |                             |                            |
| Total Trihalomethanes (TTHMs) (2014 Testing)  | 80 ppb                               | 13.87 ppb                   | n/a                        |
| Typical Source of Contamination: By-product of drinking water disinfection            |                                      |                             |                            |
| Regulated in the Distribution System  |                                      |                             |                            |
|   | Action Level                         | 90th percentile             | Ideal Goal                 |
| Copper (2016 Testing)   | 1300 ppb (action level)              | 75.7 ppb                    | 1300 ppb                   |
| Typical Source of Contamination: Corrosion of household plumbing fixtures and systems |                                      |                             |                            |
| Lead (2016 Testing)   | 15 ppb (action level)                | 1.7 ppb                     | 0 ppb                      |
| Typical Source of Contamination: Corrosion of household plumbing fixtures and systems |                                      |                             |                            |

The table above lists all the drinking water contaminants that were detected during the 2016 calendar year.

The presence of these compounds in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in the table is from testing done January 1 – December 31, 2016. The State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

## Arsenic Information:

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Currently, the arsenic level is below the MCL of 10 ppb.



## Sources of Drinking Water

The sources of drinking water (both tap water 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 from human activity.

*In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain compounds in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.*



## Lead Prevention

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 Town of Sudlersville 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 drinking 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 EPA Safe Drinking Water Hotline at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>.

## Water Security is Everyone's Responsibility

Water system security continues to be an enormously important issue. If you notice suspicious activities in or around local water utilities, such as persons cutting or climbing facility fencing, loitering, tampering with equipment or other similar activities, please contact your local law enforcement agency immediately by dialing 911.

*If you have any questions about this report or your drinking water, please call Jay Janney at 410-729-8350 or email your request to [jjann@menv.com](mailto:jjann@menv.com).*



**MARYLAND  
ENVIRONMENTAL  
SERVICE**



# Maryland

## Department of the Environment

Larry Hogan  
Governor

Boyd Rutherford  
Lieutenant Governor

Ben Crumles  
Secretary

### Consumer Confidence Report Certification

Water Supply System Name: Town of Sudlersville  
PWSID: 017-0024 County: Queen Anne's

**Consumer Confidence Report due to customers and to MDE no later than July 1<sup>st</sup>;  
Certification of Delivery due to MDE no later than October 1<sup>st</sup> each year.  
CCR and Certification are best delivered together by email attachment if possible.**

I confirm that the Consumer Confidence Report for the year **2016** has been distributed to customers (and appropriate notices of availability have been given) in accordance with COMAR 26.04.01 by July 1, 2017. I further certify that the report is correct and consistent with compliance monitoring data previously submitted to MDE.

Certified by: Name Michelle Marshall  
Signature [Signature]  
Title Town Clerk - Treasurer  
Phone # 410-438-3465 Date 6/6/17

Specific details on CCR distribution: (Date all that apply)

6/6/17 Date CCR was delivered to MDE.

\_\_\_\_\_ Date CCR was distributed by mail.

\_\_\_\_\_ Date CCR was distributed by other methods. List methods of delivery: \_\_\_\_\_

☐ Approved electronic delivery plan is on file with MDE. (Check if applicable)

5/26 + 6/2/17 Date a notice of CCR availability was published.

\_\_\_\_\_ Date good faith efforts were used to reach non-bill paying consumers. Those efforts included the following recommended methods:

5/28/17 Date of posting the CCR on the Internet at: www.townofsudlersville.org

\_\_\_\_\_ Date of mailing the CCR to postal patrons (bulk mail) within the service area (attach zip codes).

\_\_\_\_\_ Date of advertising availability of the CCR in news media (attach copy of announcement).

5/26 + 6/2/17 Date of publication of CCR in local newspaper (attach copy).

\_\_\_\_\_ Date of delivery of multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers.

\_\_\_\_\_ Date of delivery to community organizations (attach a list).

Check violation types addressed:

- ☐ A tier 3 public notice is distributed with the CCR.
- ☐ Monitoring violations are addressed in the CCR.
- ☐ MCL violations are addressed in the CCR.
- ☐ CCR Delivery or Adequacy Violations are addressed in the CCR.

**Mandatory for systems serving 100,000 or more persons:**

\_\_\_\_\_ Date posted CCR on a publicly accessible Internet site. List Internet address: \_\_\_\_\_

\_\_\_\_\_ Date CCR delivered to other agencies or additional methods used. (Optional, attach list or description).

MDE/WMA/COM.025 (Revised 3/2016)



## Town of Sudlersville

200 South Church Street

Sudlersville, MD 21668

(410) 438-3465

Fax: (410) 438-3376

[townoffice@townofsudlersville.org](mailto:townoffice@townofsudlersville.org)

[www.townofsudlersville.org](http://www.townofsudlersville.org)

RECEIVED

JUN 13 2017

Maryland Environmental Service  
YES

June 6, 2017

Maryland Environmental Service  
259 Najoles Road  
Millersville, MD 21108  
ATTN: Phillip James

RE: Town of Sudlersville (017-0024)  
2016 Consumer Confidence Report (CCR)

Dear Mr. James,

The Town of Sudlersville has completed the Consumer Confidence Report Certification for the 2016 Consumer Confidence Report. Enclosed you will find the completed Consumer Confidence Report Certification Form, the letter sent to Maryland Department of the Environment, the 2016 Consumer Confidence Report for the Town of Sudlersville, the certificate of publication for the CCR in the Record Observer, and a copy of the notice that we placed on the Town Bulletin Board.

If you have any questions or concerns, please contact the Town Office.

Sincerely,

Michelle Marshall  
Town Clerk-Treasurer

Enclosures



## **Town of Sudlersville**

200 South Church Street

Sudlersville, MD 21668

(410) 438-3465

Fax: (410) 438-3376

[townoffice@townofsudlersville.org](mailto:townoffice@townofsudlersville.org)

[www.townofsudlersville.org](http://www.townofsudlersville.org)

June 6, 2017

Maryland Department of the Environment  
1800 Washington Blvd.  
Baltimore, MD 21230  
ATTN: Water Supply Program

RE: Town of Sudlersville (017-0024)  
2016 Consumer Confidence Report (CCR)

To whom it may concern,

The Town of Sudlersville has completed the Consumer Confidence Report Certification for the 2016 Consumer Confidence Report. Enclosed you will find the completed Consumer Confidence Report Certification Form, the 2016 Consumer Confidence Report for the Town of Sudlersville, the certificate of publication for the CCR in the Record Observer, and a copy of the notice that we placed on the Town Bulletin Board.

If you have any questions or concerns, please contact the Town Office.

Sincerely,

Michelle Marshall  
Town Clerk-Treasurer

Enclosures