

2017 CERTIFICATION

Consumer Confidence Report (CCR)

South Newton Rural Water
Public Water System Name

0510010 - 0510022

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 (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, 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. **You must email, fax (but not preferred) or mail, a copy of the CCR and Certification to the 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 *(Email the message to the address below)*
- Other _____

Date(s) customers were informed: ____ / ____ / 2018 ____ / ____ / 2018 ____ / ____ / 2018

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 *(Email MSDH a copy)*

Date Emailed: ____ / ____ / 2018

- As a URL _____ *(Provide Direct 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: Newton Co Appeal

Date Published: 5/16/2018

CCR was posted in public places. *(Attach list of locations)*

Date Posted: ____ / ____ / 2018

CCR was posted on a publicly accessible internet site at the following address:

(Provide Direct URL)

CERTIFICATION

I hereby certify that the 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 PWS officials by the Mississippi State Department of Health, Bureau of Public Water Supply

Wayne Hunter mgr operator
Name/Title *(President, Mayor, Owner, etc.)*

6/25/2018
Date

Submission options *(Select one method ONLY)*

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

Not a preferred method due to poor clarity

CCR Deadline to MSDH & Customers by July 1, 2018!

Annual Drinking Water Quality Report 2018 MAY -1 AM 8:49
South Newton Rural Water Association # 1 & # 4
PWS ID # 0510010 & 0510022
April, 2018

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source consists of a total of 6 wells that draw from the Sparta Sand Aquifer.

A source water assessment has been completed for the water supply to determine the overall susceptibility of its drinking water to identify potential sources of contamination.. The water supply for South Newton Rural Water Association received a lower susceptibility ranking to contamination.

We're pleased to report that our drinking water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Wayne Clanton at 601-683-6907. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the 2nd Thursday of each month at the South Newton Water office at 5:00 p.m.

South Newton Rural Water Association #1 & #4 routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2017. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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 treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal - The "Goal"(MCLG) is 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.

SOUTH NEWTON RURAL WATER ASSOCIATION #1 - PWS ID# 0510010

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2016*	.0765	No Range	Ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016*	3.9	No Range	Ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	1/1/15 to 12/31/17	1.1	None	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	1/1/15 to 12/31/17	8	None	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Volatile Organic Contaminants								
76. Xylenes	N	2015*	.00172	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Disinfectants & Disinfectant By-Products								
Chlorine (as Cl2)	N	1/1/17 to 12/31/17	1.00	0.80 to 1.10	ppm	4	4	Water additive used to control microbes
73. TTHM [Total tri-halomethanes]	N	2016*	12.7	No Range	ppb	0	80	By-product of drinking water chlorination
HAA5	N	2016*	6	No Range	ppb	0	60	By-product of drinking water chlorination

* Most recent sample results available

SOUTH NEWTON RURAL WATER ASSOCIATION #4 - PWS ID#0510022

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2016*	00506	No Range	Ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016*	1.6	No Range	Ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	Y	1/1/17 to 6/30/17	2.5	1	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	1/1/17 to 6/30/17	7	None	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfectants & Disinfectant By-Products								
Chlorine (as Cl2)	N	1/1/17 to 12/31/17	1.00	0.90 to 1.00	ppm	4	4	Water additive used to control microbes
73. TTHM [Total tri-halomethanes]	N	2016*	5	No Range	ppb	0	80	By-product of drinking water chlorination
HAA5	N	2016*	1.0	No Range	ppb	0	60	By-product of drinking water chlorination

* Most recent sample results available

SOUTH NEWTON RURAL WATER ASSOCIATION #4 PWS ID# 0510022

(14) Copper. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

SIGNIFICANT DEFICIENCIES FOR PWS SOUTH NEWTON RURAL WATER ASSN. #4 ID#MS0510022

During a sanitary survey conducted on 3/13/2015, The Mississippi State Department of Health cited the following significant deficiency(s):

Well near source of fecal contamination

Corrective Actions:

This system is currently in a compliance agreement with MSDH to correct the deficiencies by 6/30/18.

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. South Newton Rural Water Association #1 & #4 are 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>. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested..

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the 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.

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 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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

This report being published in the paper will not be mailed. Please call our office if you would like a copy or have any questions.

PROOF OF PUBLICATION

STATE OF MISSISSIPPI COUNTY OF NEWTON

Personally came before me the undersigned authority, in and for the County and State aforesaid Brent Maze, who being by me duly sworn, states on oath that he is the Publisher of *The Newton County Appeal*, a newspaper published in Newton County, Mississippi. A copy of which is hereto attached, has been made in said paper 1 times consecutively, to-wit:

Vol. No. 109 No. 42 Date 5/16, 20 18
Vol. No. _____ No. _____ Date _____, 20 _____
Vol. No. _____ No. _____ Date _____, 20 _____
Vol. No. _____ No. _____ Date _____, 20 _____
Vol. No. _____ No. _____ Date _____, 20 _____

For:

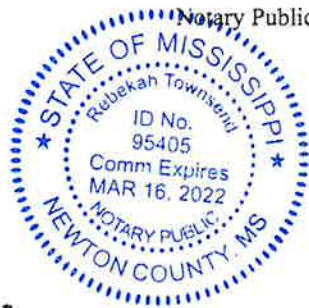
S. Newton Water

Publisher Signature: Brent Maze

Sworn to and subscribed before me,

this 23 day of May, 20 18

Rebekah Townsend



Paste clipping here

23
42.05 in.

Publication: \$ 296.50

Proof: \$ 3.00

TOTAL: \$ 259.50

ANNUAL DRINKING WATER QUALITY REPORT
SOUTH NEWTON RURAL WATER ASSOCIATION #1 & #4
PWS ID# 051001A & 051002Z
APRIL, 2018

In drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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 is available at www.epa.gov/lead.

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Maximum Contaminant Level - The

TEST RESULTS

Contaminant	Unit	Sample	Value	MCL	MCLG	Health Effect
Microbiological Contaminants						
1. Bacteria	CFU/100 ml	051001A	0	0	0	None
2. Coliform	CFU/100 ml	051001A	0	0	0	None
3. E. Coli	CFU/100 ml	051001A	0	0	0	None
4. Total Coliform	CFU/100 ml	051001A	0	0	0	None
Chemical Contaminants						
5. Lead	ppb	051001A	0	0	0	None
6. Copper	ppm	051001A	0	0	0	None
7. Nitrate	ppm	051001A	0	0	0	None
8. Nitrite	ppm	051001A	0	0	0	None
9. Chlorine	ppm	051001A	0	0	0	None
10. Chlorine Dioxide	ppm	051001A	0	0	0	None
11. Fluoride	ppm	051001A	0	0	0	None
12. Sulfate	ppm	051001A	0	0	0	None
13. Total Hardness	ppm	051001A	0	0	0	None
14. Total Dissolved Solids	ppm	051001A	0	0	0	None
15. Total Solids	ppm	051001A	0	0	0	None
16. Turbidity	NTU	051001A	0	0	0	None
17. Total Phosphorus	ppm	051001A	0	0	0	None
18. Ammonia Nitrogen	ppm	051001A	0	0	0	None
19. Total Nitrogen	ppm	051001A	0	0	0	None
20. Total Phosphorus	ppm	051001A	0	0	0	None
21. Total Suspended Solids	ppm	051001A	0	0	0	None
22. Total Dissolved Solids	ppm	051001A	0	0	0	None
23. Total Solids	ppm	051001A	0	0	0	None
24. Total Hardness	ppm	051001A	0	0	0	None
25. Total Dissolved Solids	ppm	051001A	0	0	0	None
26. Total Solids	ppm	051001A	0	0	0	None
27. Turbidity	NTU	051001A	0	0	0	None
28. Total Phosphorus	ppm	051001A	0	0	0	None
29. Ammonia Nitrogen	ppm	051001A	0	0	0	None
30. Total Nitrogen	ppm	051001A	0	0	0	None
31. Total Phosphorus	ppm	051001A	0	0	0	None
32. Total Solids	ppm	051001A	0	0	0	None
33. Total Hardness	ppm	051001A	0	0	0	None
34. Total Dissolved Solids	ppm	051001A	0	0	0	None
35. Total Solids	ppm	051001A	0	0	0	None
36. Turbidity	NTU	051001A	0	0	0	None
37. Total Phosphorus	ppm	051001A	0	0	0	None
38. Ammonia Nitrogen	ppm	051001A	0	0	0	None
39. Total Nitrogen	ppm	051001A	0	0	0	None
40. Total Phosphorus	ppm	051001A	0	0	0	None
41. Total Solids	ppm	051001A	0	0	0	None
42. Total Hardness	ppm	051001A	0	0	0	None
43. Total Dissolved Solids	ppm	051001A	0	0	0	None
44. Total Solids	ppm	051001A	0	0	0	None
45. Turbidity	NTU	051001A	0	0	0	None
46. Total Phosphorus	ppm	051001A	0	0	0	None
47. Ammonia Nitrogen	ppm	051001A	0	0	0	None
48. Total Nitrogen	ppm	051001A	0	0	0	None
49. Total Phosphorus	ppm	051001A	0	0	0	None
50. Total Solids	ppm	051001A	0	0	0	None
51. Total Hardness	ppm	051001A	0	0	0	None
52. Total Dissolved Solids	ppm	051001A	0	0	0	None
53. Total Solids	ppm	051001A	0	0	0	None
54. Turbidity	NTU	051001A	0	0	0	None
55. Total Phosphorus	ppm	051001A	0	0	0	None
56. Ammonia Nitrogen	ppm	051001A	0	0	0	None
57. Total Nitrogen	ppm	051001A	0	0	0	None
58. Total Phosphorus	ppm	051001A	0	0	0	None
59. Total Solids	ppm	051001A	0	0	0	None
60. Total Hardness	ppm	051001A	0	0	0	None
61. Total Dissolved Solids	ppm	051001A	0	0	0	None
62. Total Solids	ppm	051001A	0	0	0	None
63. Turbidity	NTU	051001A	0	0	0	None
64. Total Phosphorus	ppm	051001A	0	0	0	None
65. Ammonia Nitrogen	ppm	051001A	0	0	0	None
66. Total Nitrogen	ppm	051001A	0	0	0	None
67. Total Phosphorus	ppm	051001A	0	0	0	None
68. Total Solids	ppm	051001A	0	0	0	None
69. Total Hardness	ppm	051001A	0	0	0	None
70. Total Dissolved Solids	ppm	051001A	0	0	0	None
71. Total Solids	ppm	051001A	0	0	0	None
72. Turbidity	NTU	051001A	0	0	0	None
73. Total Phosphorus	ppm	051001A	0	0	0	None
74. Ammonia Nitrogen	ppm	051001A	0	0	0	None
75. Total Nitrogen	ppm	051001A	0	0	0	None
76. Total Phosphorus	ppm	051001A	0	0	0	None
77. Total Solids	ppm	051001A	0	0	0	None
78. Total Hardness	ppm	051001A	0	0	0	None
79. Total Dissolved Solids	ppm	051001A	0	0	0	None
80. Total Solids	ppm	051001A	0	0	0	None
81. Turbidity	NTU	051001A	0	0	0	None
82. Total Phosphorus	ppm	051001A	0	0	0	None
83. Ammonia Nitrogen	ppm	051001A	0	0	0	None
84. Total Nitrogen	ppm	051001A	0	0	0	None
85. Total Phosphorus	ppm	051001A	0	0	0	None
86. Total Solids	ppm	051001A	0	0	0	None
87. Total Hardness	ppm	051001A	0	0	0	None
88. Total Dissolved Solids	ppm	051001A	0	0	0	None
89. Total Solids	ppm	051001A	0	0	0	None
90. Turbidity	NTU	051001A	0	0	0	None
91. Total Phosphorus	ppm	051001A	0	0	0	None
92. Ammonia Nitrogen	ppm	051001A	0	0	0	None
93. Total Nitrogen	ppm	051001A	0	0	0	None
94. Total Phosphorus	ppm	051001A	0	0	0	None
95. Total Solids	ppm	051001A	0	0	0	None
96. Total Hardness	ppm	051001A	0	0	0	None
97. Total Dissolved Solids	ppm	051001A	0	0	0	None
98. Total Solids	ppm	051001A	0	0	0	None
99. Turbidity	NTU	051001A	0	0	0	None
100. Total Phosphorus	ppm	051001A	0	0	0	None

TEST RESULTS

Contaminant	Unit	Sample	Value	MCL	MCLG	Health Effect
Microbiological Contaminants						
1. Bacteria	CFU/100 ml	051002Z	0	0	0	None
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3. E. Coli	CFU/100 ml	051002Z	0	0	0	None
4. Total Coliform	CFU/100 ml	051002Z	0	0	0	None
Chemical Contaminants						
5. Lead	ppb	051002Z	0	0	0	None
6. Copper	ppm	051002Z	0	0	0	None
7. Nitrate	ppm	051002Z	0	0	0	None
8. Nitrite	ppm	051002Z	0	0	0	None
9. Chlorine	ppm	051002Z	0	0	0	None
10. Chlorine Dioxide	ppm	051002Z	0	0	0	None
11. Fluoride	ppm	051002Z	0	0	0	None
12. Sulfate	ppm	051002Z	0	0	0	None
13. Total Hardness	ppm	051002Z	0	0	0	None
14. Total Dissolved Solids	ppm	051002Z	0	0	0	None
15. Total Solids	ppm	051002Z	0	0	0	None
16. Turbidity	NTU	051002Z	0	0	0	None
17. Total Phosphorus	ppm	051002Z	0	0	0	None
18. Ammonia Nitrogen	ppm	051002Z	0	0	0	None
19. Total Nitrogen	ppm	051002Z	0	0	0	None
20. Total Phosphorus	ppm	051002Z	0	0	0	None
21. Total Solids	ppm	051002Z	0	0	0	None
22. Total Hardness	ppm	051002Z	0	0	0	None
23. Total Dissolved Solids	ppm	051002Z	0	0	0	None
24. Total Solids	ppm	051002Z	0	0	0	None
25. Turbidity	NTU	051002Z	0	0	0	None
26. Total Phosphorus	ppm	051002Z	0	0	0	None
27. Ammonia Nitrogen	ppm	051002Z	0	0	0	None
28. Total Nitrogen	ppm	051002Z	0	0	0	None
29. Total Phosphorus	ppm	051002Z	0	0	0	None
30. Total Solids	ppm	051002Z	0	0	0	None
31. Total Hardness	ppm	051002Z	0	0	0	None
32. Total Dissolved Solids	ppm	051002Z	0	0	0	None
33. Total Solids	ppm	051002Z	0	0	0	None
34. Turbidity	NTU	051002Z	0	0	0	None
35. Total Phosphorus	ppm	051002Z	0	0	0	None
36. Ammonia Nitrogen	ppm	051002Z	0	0	0	None
37. Total Nitrogen	ppm	051002Z	0	0	0	None
38. Total Phosphorus	ppm	051002Z	0	0	0	None
39. Total Solids	ppm	051002Z	0	0	0	None
40. Total Hardness	ppm	051002Z	0	0	0	None
41. Total Dissolved Solids	ppm	051002Z	0	0	0	None
42. Total Solids	ppm	051002Z	0	0	0	None
43. Turbidity	NTU	051002Z	0	0	0	None
44. Total Phosphorus	ppm	051002Z	0	0	0	None
45. Ammonia Nitrogen	ppm	051002Z	0	0	0	None
46. Total Nitrogen	ppm	051002Z	0	0	0	None
47. Total Phosphorus	ppm	051002Z	0	0	0	None
48. Total Solids	ppm	051002Z	0	0	0	None
49. Total Hardness	ppm	051002Z	0	0	0	None
50. Total Dissolved Solids	ppm	051002Z	0	0	0	None
51. Total Solids	ppm	051002Z	0	0	0	None
52. Turbidity	NTU	051002Z	0	0	0	None
53. Total Phosphorus	ppm	051002Z	0	0	0	None
54. Ammonia Nitrogen	ppm	051002Z	0	0	0	None
55. Total Nitrogen	ppm	051002Z	0	0	0	None
56. Total Phosphorus	ppm	051002Z	0	0	0	None
57. Total Solids	ppm	051002Z	0	0	0	None
58. Total Hardness	ppm	051002Z	0	0	0	None
59. Total Dissolved Solids	ppm	051002Z	0	0	0	None
60. Total Solids	ppm	051002Z	0	0	0	None
61. Turbidity	NTU	051002Z	0	0	0	