



April 24, 2019

City of Denmark
Attn: Dr. Gerald Wright
4768 Carolina Highway
Denmark, SC 29042

Re: Recent Distribution and Well Sampling
Public Water System (PWS) #0510002
Bamberg County

Dear Dr. Wright,

On April 2 and 3, 2019, SC Department of Health and Environmental Control and the United States Environmental Protection Agency (EPA) conducted sampling at the wells and at various points in the distribution system of the City of Denmark's PWS. Sampling parameters at each well included Total Residual Chlorine (TRC), Bromide, Volatile Organic Compounds (VOCs), Total Organic Carbon (TOC), Pesticides and Semi-volatile Compounds, Nitrate / Nitrite, Iron, and Manganese. Sampling parameters in the distribution system included Total Residual Chlorine, Bromide, Iron, Manganese, Total Coliform / E. Coli bacteria, and Disinfection Byproducts. EPA sampling results are still pending. The City of Denmark will receive a copy of the EPA results as soon as they are available. The results from the samples collected by SC Department of Health and Environmental Control for this sampling event are summarized in a chart below. The Department's findings and recommendations are as follows:

1. All distribution samples were absent of Total Coliform and E. Coli bacteria.
2. All wells and distribution samples had acceptable TRC results.
3. All distribution samples for Disinfection Byproducts (THMs and HAAs) were below the MCL.
4. All distribution samples for Iron and Manganese were within the Secondary Standards set by the EPA.
5. All well samples for Nitrate / Nitrite, TOC, VOCs, Pesticides and Semi-volatile Compounds, Iron, and Manganese were below the Maximum Contaminant Level (MCL) set by the Environmental Protection Agency (EPA) where applicable.

The Department looks forward to working with the water system in the future to ensure that the residents of Denmark continue to receive the highest quality of drinking water. If you have any questions or if I can be of any assistance, please contact me at the number or email below.

Sincerely,

A handwritten signature in cursive script that reads "Travis Fuss".

Travis Fuss
Bureau of Environmental Health Service
Aiken Environmental Affairs Office
803-642-1637
fusstr@dhec.sc.gov

Location	TRC ¹ (mg/L)	Bromide (mg/L)	Iron ² (mg/L)	Manganese ³ (mg/L)	Total Coliform/ E.Coli	THM ⁴ (mg/L)	HAA ⁵ (mg/L)
Wheat St	0.55	<0.020	0.098	<0.010	Absent/Absent	ND ⁶	ND
Voorhees Rd	0.31	<0.020	0.024	<0.010	Absent/Absent	0.00296	ND
Chestnut Ave	0.76	<0.020	<0.020	<0.010	Absent/Absent	0.00173	ND
Locust St	0.51	<0.020	0.14	0.024	Absent/Absent	0.00221	ND
Wisteria St	0.48	<0.020	0.085	0.014	Absent/Absent	ND	ND
Sawdust Ave	0.26	<0.020	<0.020	<0.010	Absent/Absent	0.00227	ND
Heritage Hwy	0.14	<0.020	<0.020	<0.010	Absent/Absent	0.00221	ND
Spruce St	0.69	<0.020	0.062	0.01	Absent/Absent	0.00137	ND
Locust St	0.63	<0.020	<0.020	<0.010	Absent/Absent	ND	ND
E. Richards St	0.3	<0.020	0.085	<0.010	Absent/Absent	ND	ND

Well	TRC ¹ (mg/L)	Bromide (mg/L)	VOC ⁸ (mg/L)	TOC ⁹ (mg/L)	Pest/Semi ¹⁰ (mg/L)	Nitrate/ Nitrite ⁷ (mg/L)	Iron ² (mg/L)	Manganese ³ (mg/L)
Voorhees	0.73	<0.020	ND	<1.0	ND	0.028	0.023	<0.010
Acacia	0.49	<0.020	ND	<1.0	ND	<0.020	0.16	0.01
W. Voorhees	0.61	<0.020	ND	<1.0	ND	0.051	0.14	0.029

Notes:

1. TRC is Total Residual Chlorine, the recommended TRC range is 0.20 mg/L to 2.0 mg/L.
2. The Secondary Standard for Iron is 0.3 mg/L
3. The Secondary Standard for Manganese is 0.05 mg/L.
4. The Maximum Contaminant Level for THMs is 0.080 mg/L.
5. The Maximum Contaminant Level for HAAs is 0.060 mg/L.
6. "ND" indicates the sample was not detected or is less than the respective sample detection limits.
7. The Maximum Contaminant Level for Nitrate is 10 mg/L. The Maximum Contaminant Level for Nitrite is 1 mg/L.
8. VOC is Volatile Organic Compounds.
9. TOC is Total Organic Carbon
10. Pest/Semi is Pesticides and Semi-volatile Organic Compounds.