

December 8, 2023

President and Commissioners  
Town of Charlestown  
241 Market Street  
Charlestown, MD 21914

**Re: Charlestown Water Treatment Plant  
November 2023 Monthly Operations Report  
PWSID #0070029**

Dear President and Commissioners;

This report is to advise you of the activities performed last month at the Water Treatment Plant and Distribution System.

<b>Water Withdrawal Summary</b>	<b>2023</b>	<b>2022</b>
Total Monthly Water Withdrawal	2,663,000 gallons	2,548,000 gallons
Average Daily Water Withdrawal	88,767 gallons	84,933 gallons
Minimum Daily Water Withdrawal	73,000 gallons	57,000 gallons
Maximum Daily Water Withdrawal	107,000 gallons	109,000 gallons
Total Positive Coliform Samples	0	

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



Deb Balsavage,  
Compliance Coordinator

# **Charlestown Water Treatment Plant Maintenance & Operations Activities**

## **Routine Operation and Maintenance:**

- Daily tasks were recorded in the WTF logbook and all data sheets for chemical usage, equipment runtime, pH calibration, and routine checklists were completed.
- Daily pH and chlorine tests were performed.
- Chemical feed pumps were adjusted as necessary to maintain optimal pH and chlorine levels.
- Chemicals were mixed as needed and a chemical inventory was maintained.
- Monthly samples were collected and sent to certified lab for testing per state requirements.
- Monthly Operations Report was sent to MDE.
- The WTF Maintenance Schedule was followed.
- Housekeeping was performed.

## **Non-Routine Operation and Maintenance:**

- Completed 12 locates.

December 10, 2023

Mr. Alex Yeboah  
Maryland Department of the Environment  
Water Supply Program  
1800 Washington Boulevard  
Baltimore, MD 21230

**Re: Charlestown Water Plant  
November 2023 Monthly Operations Report  
PWSID # 0070029**

Dear Mr. Yeboah;

Attached for your review is the Monthly Operations Report for the Charlestown Water Plant.

If you have any questions or require additional information, please do not hesitate to contact me at (484)507-4401.

Sincerely,

*Deb Balsavage*

Deb Balsavage,  
Compliance Coordinator

cc: Mike Poyner, CEO, Miller Environmental, Inc.  
Dean Miller, President, Miller Environmental, Inc.

**MDE**  
 WATER MANAGEMENT DIVISION  
 1800 Washington Boulevard  
 BALTIMORE MD. 21230

FACILITY: **Town of Charlestown**  
 ADDRESS: P.O. Box 154  
 Charlestown, MD. 21914  
 ID#: 007-0029

OPERATOR: Dean Miller  
 CERT. #: 3388

County: Cecil  
 Month: **November**  
 Year: **2023**

GENERAL		WELLS						CHEMICALS			DISTRIBUTION						
DATE	WEATHER	WELL#1 HRS.	WELL#2 HRS.	FLOW Mgd	pH	Temp.°C	Fe ppm	Chlorine	Soda Ash	Aqua Mag	pH	Cl2 ppm	Alk. Ppm	Hrd. Ppm	Fe ppm	Flow Mgd	PSI
1	CLEAR	15.1	0.0	0.099	5.20	17.0		11.0	150	4.0	6.90	1.10				0.099	66.5
2	CLEAR	13.0	0.0	0.086	5.20	25.3		11.0	100	2.0	6.90	0.90				0.091	
3	CLEAR	16.1	0.0	0.104	5.20	17.0		11.0	200	3.0	7.00	1.00				0.105	66.3
4	CLOUDY	12.5	0.0	0.081	5.20	25.6		9.0	150	1.0	6.80	1.10				0.076	
5	CLEAR	16.2	0.0	0.104	5.40	24.9		10.0	100	1.0	7.20	1.00				0.116	
6	CLEAR	12.7	0.0	0.082	5.30	17.2		8.0	150	2.0	7.10	1.00				0.086	66.4
7	CLOUDY	17.1	0.0	0.085	5.30	17.0		10.0	150	2.0	7.10	1.10				0.088	66.3
8	CLEAR	14.0	0.0	0.085	5.20	17.1		8.0	150	2.0	7.20	1.00				0.088	66.3
9	CLOUDY	12.4	0.0	0.085	5.30	16.0		10.0	150	3.0	7.20	1.20				0.089	66.3
10	CLOUDY	12.5	0.0	0.093	5.20	16.6		8.0	150	2.0	7.10	1.10				0.093	66.2
11	CLEAR	16.2	0.0	0.107	5.30	16.8		11.0	150	2.0	7.00	1.00				0.111	66.4
12	CLEAR	16.5	0.0	0.107	5.20	16.7		9.0	250	4.0	7.00	0.80				0.106	66.3
13	CLEAR	11.4	0.0	0.073	5.20	16.7		9.0	100	2.0	6.90	1.00				0.099	
14	CLEAR	12.4	0.0	0.081	5.30	24.8		10.0	175	1.0	7.00	1.20				0.084	66.3
15	CLEAR	14.3	0.0	0.091	5.30	17.1		6.0	150	3.0	7.00	1.10				0.094	66.3
16	CLEAR	15.3	0.0	0.099	5.20	16.8		7.0	175	3.0	7.10	1.20				0.098	66.4
17	CLOUDY	11.6	0.0	0.074	5.20	16.6		10.0	125	1.0	6.90	0.90				0.081	
18	CLEAR	13.7	0.0	0.088	5.20	24.5		10.0	175	1.0	7.10	0.80				0.090	
19	CLEAR	15.5	0.0	0.093	5.40	24.4		8.0	125	2.0	7.00	1.10				0.093	66.5
20	CLEAR	12.4	0.0	0.074	5.30	16.1		10.0	150	1.0	7.10	0.80				0.086	66.4
21	CLEAR	13.8	3.3	0.088	5.20	16.4		9.0	150	4.0	7.20	0.80				0.090	66.5
22	CLOUDY	14.3	0.0	0.093	5.20	16.4		12.0	150	3.0	7.00	0.80				0.092	66.8
23	CLEAR	15.9	0.0	0.094	5.30	16.2		11.0	150	4.0	7.10	0.80				0.096	66.7
24	CLEAR	16.0	0.0	0.099	5.20	16.2		9.0	175	2.0	7.00	1.00				0.104	66.8
25	CLEAR	10.4	0.0	0.082	5.30	16.1		11.0	200	2.0	7.00	1.00				0.091	66.5
26	CLOUDY	12.1	0.0	0.073	5.10	16.4		7.0	100	2.0	7.10	1.10				0.080	66.7
27	CLEAR	13.3	0.0	0.081	5.20	16.1		8.0	25	4.0	7.00	1.20				0.086	66.4
28	CLEAR	15.2	0.0	0.091	5.30	16.3		10.0	0	2.0	7.00	1.30				0.094	66.5
29	CLEAR	14.8	0.0	0.089	5.20	10.8		10.0	150	2.0	7.00	1.40				0.090	66.4
30	CLEAR	13.7	0.0	0.082	5.30	10.4		8.0	150	1.0	6.90	1.40				0.088	66.7
31																	
TOTAL		420.4	3.3	2.663				281	4275	68.0						2.784	
AVERAGE		14.0	0.1	0.089	5.25	17.9		9.4	143	2.3	7.03	1.04				0.093	
MIN		10.4	0.0	0.073	5.10	10.4					6.80	0.80				0.076	
MAX		17.1	3.3	0.107	5.40	25.6					7.20	1.40				0.116	