

June 7, 2024

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

**Re: Charlestown Water Treatment Plant  
May 2024 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>2024</b>	<b>2023</b>
Total Monthly Water Withdrawal	3,528,000 gallons	3,599,000 gallons
Average Daily Water Withdrawal	113,806 gallons	116,097 gallons
Minimum Daily Water Withdrawal	70,000 gallons	41,000 gallons
Maximum Daily Water Withdrawal	184,000 gallons	185,000 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 9 locates.
- Distributed late payment/shutoff notices.

June 10, 2024

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

**Re: Charlestown Water Plant  
May 2024 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.

<b>MDE</b> WATER MANAGEMENT DIVISION 1800 Washington Boulevard BALTIMORE MD. 21230	FACILITY: <b>Town of Charlestown</b> ADDRESS: P.O. Box 154 Charlestown, MD. 21914 ID#: 007-0029	OPERATOR: Dean Miller CERT. #: 3388	County: Cecil Month: <b>May</b> Year: <b>2024</b>
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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	15.4	0.0	0.094	5.70	15.0		6.0	125	4.0	6.70	0.60				0.048	66.7
2	CLOUDY	15.9	0.0	0.099	5.80	15.5		8.0	125	5.0	6.80	0.80				0.091	66.7
3	CLOUDY	20.0	0.0	0.131	5.70	15.6		8.0	150	3.5	6.80	0.80				0.144	66.3
4	RAIN	14.3	0.0	0.094	5.40	17.4		4.5	100	1.0	6.30	1.00				0.100	
5	RAIN	11.7	0.0	0.074	5.50	17.8		5.5	75	3.0	6.40	1.00				0.066	66.4
6	CLOUDY	14.5	0.0	0.093	5.50	17.2		4.0	150	4.0	6.70	1.00				0.099	66.4
7	CLEAR	18.7	0.0	0.121	5.40	17.8		7.0	150	1.0	6.70	1.00				0.110	66.5
8	CLEAR	10.8	0.0	0.070	5.40	17.6		5.0	175	0.0	6.80	1.00				0.080	66.4
9	CLOUDY	14.8	0.0	0.095	5.50	17.1		5.0	100	0.0	6.80	1.00				0.096	66.3
10	RAIN	19.2	0.0	0.184	5.60	16.9		12.0	175	0.0	6.80	1.00				0.126	66.3
11	CLEAR	15.5	0.0	0.100	5.60	17.6		2.0	150	1.0	7.10	1.00				0.104	
12	RAIN	13.0	0.0	0.092	5.50	16.8		8.0	100	1.0	6.50	1.00				0.089	67.2
13	CLEAR	14.3	0.0	0.115	5.70	16.9		8.0	125	1.0	6.90	1.10				0.086	67
14	CLEAR	0.0	14.9	0.100	5.70	17.0		10.0	125	0.0	6.90	1.00				0.140	66.8
15	CLOUDY	0.0	15.2	0.126	5.60	16.6		4.0	125	2.0	6.90	0.90				0.154	67
16	RAIN	0.0	15.1	0.159	5.40	16.9		6.0	100	2.0	7.00	1.00				0.158	66.9
17	CLEAR	0.0	17.1	0.105	5.50	16.4		5.5	150	3.0	7.00	1.10				0.105	67
18	CLOUDY	0.0	20.6	0.127	5.60	18.4		6.5	200	3.0	6.50	0.80				0.160	
19	CLOUDY	0.0	20.2	0.123	5.40	17.8		8.0	100	4.0	6.60	0.70				0.111	66
20	CLOUDY	0.0	16.2	0.099	5.40	16.8		8.0	150	3.0	6.90	0.70				0.117	66.4
21	CLOUDY	0.0	15.0	0.091	5.70	16.6		7.0	150	1.0	7.00	0.60				0.098	66.4
22	CLEAR	0.0	17.8	0.108	5.60	16.7		7.0	175	6.0	7.00	0.60				0.113	66.4
23	CLOUDY	0.0	16.7	0.102	5.40	16.9		7.0	150	2.0	6.90	0.60				0.107	66.3
24	CLOUDY	0.0	22.3	0.137	5.50	16.9		8.0	200	6.0	7.00	0.60				0.156	66.3
25	CLEAR	0.0	25.7	0.154	5.60	20.0		10.0	200	6.0	7.00	0.90				0.169	
26	CLEAR	0.0	29.1	0.146	5.60	18.0		10.0	150	6.0	6.50	0.70				0.136	
27	RAIN	0.0	18.1	0.110	5.80	17.4		7.0	200	3.0	6.90	0.70				0.109	66.3
28	CLOUDY	0.0	20.2	0.129	5.90	17.5		10.0	150	2.0	6.90	1.20				0.112	66.4
29	CLEAR	0.0	13.0	0.079	5.90	17.6		6.0	100	4.0	6.90	1.20				0.108	67.2
30	CLOUDY	0.0	18.4	0.112	5.50	17.6		6.0	100	2.0	7.00	1.20				0.104	66.3
31	CLEAR	0.0	20.4	0.159	5.80	17.8		10.0	150	5.0	6.90	0.90				0.180	66.7
TOTAL		198.1	336.0	3.528				219	4375	84.5						3.576	
AVERAGE		6.4	10.8	0.114	5.59	17.2		7.1	141	2.7	6.81	0.89				0.115	
MIN		0.0	0.0	0.070	5.40	15.0					6.30	0.60				0.048	
MAX		20.0	29.1	0.184	5.90	20.0					7.10	1.20				0.180	