

April 7, 2024

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

**Re: Charlestown Water Treatment Plant  
March 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	3,921,000 gallons	2,654,000 gallons
Average Daily Water Withdrawal	126,484 gallons	85,613 gallons
Minimum Daily Water Withdrawal	59,000 gallons	39,000 gallons
Maximum Daily Water Withdrawal	186,000 gallons	117,000 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 16 locates.

April 10, 2024

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

**Re: Charlestown Water Plant**  
**March 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.

**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: **March**  
Year: **2024**

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	0.0	11.2	0.112	5.60	13.8		9.5	150	1.0	7.00	0.70				0.100	66.4
2	RAIN	0.0	20.8	0.185	5.50	13.4		9.5	0	5.0	6.60	1.00				0.190	
3	CLEAR	0.0	11.8	0.113	5.40	13.4		4.0	0	3.0	6.80	0.90				0.120	
4	RAIN	0.0	15.0	0.115	5.40	13.6		8.0	100	3.0	7.10	0.90				0.149	66.6
5	RAIN	0.0	13.1	0.113	5.30	13.4		4.0	125	3.0	7.00	0.90				0.114	66.4
6	CLOUDY	0.0	14.7	0.148	5.50	13.2		6.0	175	4.0	6.80	1.50				0.115	66.3
7	CLOUDY	0.0	13.9	0.129	5.40	13.6		6.0	100	3.0	6.70	1.50				0.116	66.4
8	CLEAR	0.0	15.8	0.154	5.70	13.7		8.0	125	4.0	7.00	1.40				0.185	
9	RAIN	0.0	19.8	0.186	5.60	13.5		7.5	125	4.0	6.90	1.50				0.125	66.7
10	CLEAR	0.0	15.5	0.150	5.50	14.8		5.5	0	3.0	6.60	1.40				0.161	
11	CLEAR	0.0	11.6	0.112	5.50	13.8		5.0	25	3.0	6.60	1.40				0.092	66.4
12	CLEAR	0.0	16.4	0.116	5.40	13.9		7.0	100	3.0	6.90	1.20				0.101	66.4
13	CLEAR	0.0	14.7	0.145	5.50	13.8		6.0	100	3.0	6.90	1.30				0.144	66.4
14	CLOUDY	0.0	14.6	0.146	5.70	13.6		6.0	100	5.0	6.80	1.30				0.138	66.4
15	CLEAR	0.0	16.3	0.163	5.60	13.4		8.0	100	1.0	6.80	1.30				0.155	66.3
16	CLEAR	0.0	17.3	0.172	5.70	15.1		2.0	125	0.0	6.40	1.60				0.128	
17	CLEAR	0.0	16.6	0.165	5.60	15.3		12.0	50	0.0	6.50	1.70				0.142	
18	CLEAR	0.0	14.3	0.143	5.50	14.6		5.0	75	0.0	6.80	1.30				0.133	66.7
19	CLEAR	0.0	14.6	0.145	5.60	14.8		7.0	50	0.0	6.80	1.30				0.110	66.3
20	CLEAR	0.0	13.8	0.139	5.50	12.4		6.0	25	3.0	6.90	1.10				0.129	66.3
21	CLEAR	0.0	18.5	0.118	5.40	12.9		8.0	50	1.0	6.80	1.10				0.092	66.3
22	CLEAR	0.0	15.9	0.101	5.60	12.7		6.0	25	2.0	6.80	1.10				0.127	66.4
23	RAIN	0.0	17.9	0.113	5.70	14.8		2.0	75	1.0	6.10	1.20				0.116	67
24	CLEAR	0.0	12.8	0.081	5.50	15.0		8.5	75	2.0	6.30	1.00				0.085	
25	CLOUDY	0.0	13.3	0.088	5.60	14.7		6.0	65	4.0	6.30	1.00				0.083	
26	CLOUDY	0.0	19.0	0.121	5.50	14.8		7.0	135	2.0	6.30	1.00				0.117	66.4
27	RAIN	0.0	9.4	0.059	5.60	14.6		4.0	75	0.0	6.40	1.10				0.068	
28	CLEAR	0.0	17.7	0.112	5.50	14.7		7.5	100	2.0	6.40	0.80				0.111	66.6
29	CLEAR	0.0	16.6	0.104	5.80	13.9		7.5	100	4.0	7.30	1.10				0.102	66.3
30	RAIN	0.0	17.1	0.109	5.60	15.6		7.0	100	2.0	6.80	1.20				0.115	
31	CLOUDY	0.0	10.0	0.064	5.60	17.1		3.0	75	3.0	6.30	1.20				0.059	
TOTAL		0.0	470.0	3.921				199	2525	74.0						3.722	
AVERAGE		0.0	15.2	0.126	5.55	14.1		6.4	81	2.4	6.70	1.19				0.120	
MIN		0.0	9.4	0.059	5.30	12.4					6.10	0.70				0.059	
MAX		0.0	20.8	0.186	5.80	17.1					7.30	1.70				0.190	