

March 7, 2024

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

**Re: Charlestown Water Treatment Plant  
February 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	3,600,000 gallons	3,264,000 gallons
Average Daily Water Withdrawal	124,138 gallons	116,571 gallons
Minimum Daily Water Withdrawal	9,000 gallons	58,000 gallons
Maximum Daily Water Withdrawal	211,000 gallons	285,000 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:**

- Distributed 120 shutoff hangers (tags).
- 20 shutoffs done.
- Completed 18 locates.
- Repaired leak at well head.

March 10, 2024

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

**Re: Charlestown Water Plant  
February 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: **February**  
 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	CLOUDY	0.0	12.3	0.108	5.40	13.9		13.0	180	5.0	6.70	1.40				0.119	66.7
2	CLOUDY	0.0	22.4	0.117	5.30	13.8		8.0	125	1.0	6.70	1.30				0.125	66.7
3	CLEAR	0.0	18.8	0.113	5.40	13.9		13.0	75	3.0	7.50	1.60				0.122	66.5
4	CLEAR	0.0	13.6	0.082	5.30	16.3		7.0	100	3.0	6.70	1.70				0.079	66.6
5	CLEAR	0.0	14.4	0.087	5.30	14.5		9.0	150	2.0	6.80	1.60				0.078	66.6
6	CLEAR	0.0	18.5	0.113	5.30	13.1		14.0	100	2.0	6.60	1.40				0.132	
7	CLEAR	0.0	10.5	0.063	5.30	12.1		7.0	100	2.0	6.70	1.40				0.071	66.7
8	CLEAR	0.0	22.9	0.141	5.30	12.3		7.0	150	4.0	6.90	1.60				0.139	66.4
9	CLOUDY	0.0	14.9	0.091	5.30	12.3		5.0	150	2.0	6.80	1.60				0.109	66.4
10	CLOUDY	0.0	11.6	0.071	5.30	17.1		7.0	100	2.0	6.60	1.60				0.066	
11	CLOUDY	0.0	16.6	0.102	5.40	12.4		5.0	150	2.0	6.70	1.70				0.100	66.6
12	CLOUDY	0.0	18.7	0.114	5.30	12.7		8.0	175	5.0	6.70	1.50				0.132	66.4
13	RAIN	0.0	12.3	0.074	5.30	12.8		8.0	75	3.0	6.80	1.50				0.080	66.5
14	CLEAR	0.0	15.2	0.092	5.40	11.8		3.0	0	2.0	6.70	1.40				0.089	66.4
15	CLEAR	0.0	17.3	0.171	5.30	11.9		8.0	50	4.0	6.70	1.30				0.165	
16	CLEAR	0.0	13.8	0.114	5.50	13.2		2.0	125	1.0	7.10	1.20				0.160	
17	CLEAR	0.0	21.3	0.211	5.60	13.1		6.0	75	5.0	6.70	1.10				0.010	66.5
18	CLEAR	0.0	8.9	0.009	5.30	14.4		6.0	125	2.0	6.40	1.00				0.150	66.5
19	CLEAR	0.0	15.5	0.155	5.30	10.3		9.0	75	3.0	6.80	1.00				0.140	66.4
20	CLEAR	0.0	14.2	0.142	5.40	10.4		5.0	175	2.0	6.50	1.60				0.160	66.4
21	CLEAR	0.0	16.1	0.161	5.30	10.2		7.0	200	3.0	6.50	1.00				0.150	66.3
22	CLEAR	0.0	15.0	0.151	5.50	10.3		10.0	200	2.0	6.60	1.00				0.150	66.2
23	RAIN	0.0	16.9	0.169	5.40	11.6		7.0	250	4.0	6.50	1.00				0.160	
24	CLEAR	17.3	3.7	0.211	5.30	11.5		7.0	200	4.0	6.70	1.70				0.180	
25	CLEAR	16.2	0.0	0.161	5.80	13.9		5.0	150	3.5	6.80	1.70				0.140	66.8
26	CLEAR	15.1	0.0	0.151	5.60	14.4		5.0	100	3.0	7.30	1.70				0.130	66.7
27	CLEAR	13.0	0.0	0.131	5.60	14.1		6.0	175	1.0	7.20	0.70				0.150	66.6
28	RAIN	14.0	0.0	0.141	5.60	13.0		6.0	175	3.0	7.00	0.70				0.140	
29	CLEAR	0.0	15.4	0.154	5.70	13.4		5.0	175	2.0	7.00	0.60				0.145	
30																	
31																	
TOTAL		75.6	380.8	3.600				208	3880	80.5						3.571	
AVERAGE		2.6	13.1	0.124	5.41	12.9		7.2	134	2.8	6.78	1.33				0.123	
MIN		0.0	0.0	0.009	5.30	10.2					6.40	0.60				0.010	
MAX		17.3	22.9	0.211	5.80	17.1					7.50	1.70				0.180	