

September 7, 2023

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

**Re: Charlestown Water Treatment Plant  
August 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	3,609,000 gallons	3,152,000 gallons
Average Daily Water Withdrawal	116,419 gallons	101,677 gallons
Minimum Daily Water Withdrawal	58,000 gallons	68,000 gallons
Maximum Daily Water Withdrawal	187,000 gallons	144,000 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 19 locates.

September 10, 2023

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

**Re: Charlestown Water Plant  
August 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: **August**  
 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	10.7	0.0	0.105	5.00	18.6		6.0	100	1.0	6.90	1.00				0.081	66.4
2	CLEAR	16.3	0.0	0.109	5.20	17.9		10.0	150	1.0	7.00	1.10				0.126	66.5
3	CLEAR	14.9	0.0	0.119	5.20	16.6		7.0	125	1.0	6.90	0.90				0.069	66.3
4	CLOUDY	12.4	0.0	0.107	5.10	16.6		7.5	150	1.0	6.90	1.00				0.097	66.3
5	CLOUDY	21.8	0.0	0.146	5.20	27.3		11.5	200	0.5	6.90	0.70				0.130	
6	CLEAR	15.6	0.0	0.101	5.20	23.5		5.5	125	0.0	6.90	0.70				0.121	
7	CLOUDY	12.8	0.0	0.087	5.40	24.6		9.0	100	1.0	6.80	0.70				0.097	66.3
8	CLOUDY	14.0	0.0	0.093	5.30	19.1		10.0	75	1.0	6.90	1.00				0.093	66.4
9	CLEAR	0.0	0.0	0.187	5.30	19.1		4.0	125	2.0	6.80	1.00				0.094	66.3
10	CLOUDY	0.0	21.7	0.123	5.40	18.6		7.0	125	0.0	6.90	1.10				0.190	66.4
11	CLEAR	0.0	12.3	0.143	5.30	18.4		11.0	200	0.0	6.80	1.00				0.113	66.7
12	CLEAR	0.0	22.8	0.158	5.30	18.5		12.0	200	0.0	7.00	0.90				0.150	66.4
13	CLEAR	0.0	25.3	0.101	5.40	18.6		10.0	310	2.0	6.90	0.90				0.147	66.6
14	CLEAR	0.0	16.3	0.115	5.30	23.4		9.0	150	1.0	7.00	0.80				0.116	66.9
15	CLOUDY	0.0	15.5	0.105	5.20	17.9		7.0	150	1.0	7.00	1.00				0.127	66.3
16	CLEAR	0.0	16.8	0.101	5.30	17.6		8.0	150	1.0	6.70	0.90				0.105	66.4
17	CLEAR	6.8	16.4	0.058	5.40	17.7		10.0	175	1.0	6.90	0.80				0.101	66.3
18	CLOUDY	16.1	1.9	0.106	5.30	17.6		3.0	100	1.0	6.90	1.00				0.105	66.3
19	CLEAR	18.8	0.0	0.125	5.30	21.4		8.0	175	2.0	7.00	0.80				0.121	
20	CLEAR	22.0	0.0	0.147	5.30	21.4		10.0	175	2.0	6.90	0.90				0.123	
21	CLEAR	22.8	0.0	0.141	5.30	21.4		9.0	200	1.0	7.10	1.00				0.129	64.3
22	CLOUDY	19.5	0.0	0.126	5.30	19.1		11.0	200	1.0	7.00	0.90				0.122	63.3
23	CLEAR	13.5	0.0	0.096	5.20	18.4		12.0	150	2.0	7.00	1.10				0.119	66.2
24	CLOUDY	0.0	0.0	0.133	5.40	18.1		9.0	200	1.0	7.10	1.00				0.106	66.5
25	CLOUDY	20.4	0.0	0.134	5.30	17.6		8.0	200	1.0	7.10	1.00				0.137	66.4
26	CLEAR	19.9	0.0	0.131	5.20	18.1		12.0	200	1.0	7.00	0.90				0.135	66.2
27	CLEAR	16.6	0.0	0.107	5.30	18.2		10.0	50	4.0	7.00	0.80				0.120	66.3
28	CLOUDY	14.6	0.0	0.096	5.30	22.1		9.0	100	2.0	7.00	1.00				0.118	66.4
29	CLOUDY	14.6	0.0	0.096	5.20	18.1		10.0	150	1.0	7.00	1.00				0.097	66.4
30	RAIN	16.6	0.0	0.109	5.20	17.6		10.0	175	2.0	7.00	1.00				0.111	66.4
31	CLEAR	16.0	0.0	0.104	5.20	16.4		8.0	175	2.0	7.10	1.10				0.110	66.3
TOTAL		356.7	149.0	3.609				274	4860	37.5						3.610	
AVERAGE		11.5	4.8	0.116	5.27	19.3		8.8	157	1.2	6.95	0.94				0.116	
MIN		0.0	0.0	0.058	5.00	16.4					6.70	0.70				0.069	
MAX		22.8	25.3	0.187	5.40	27.3					7.10	1.10				0.190	