

September 6, 2024

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

**Re: Charlestown Water Treatment Plant  
August 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	3,682,000 gallons	3,609,000 gallons
Average Daily Water Withdrawal	118,774 gallons	116,419 gallons
Minimum Daily Water Withdrawal	51,000 gallons	58,000 gallons
Maximum Daily Water Withdrawal	186,000 gallons	187,000 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*

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:**

- There were no non-routine operation or maintenance activities reported..

September 10, 2024

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

**Re: Charlestown Water Plant  
August 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: **August**  
 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	20.9	0.098	5.90	22.2		9	150	1	7.0	0.80				0.069	
2	CLOUDY	0.0	29.3	0.176	5.90	22.2		10	200	4	7.3	0.90				0.158	
3	CLEAR	0.0	15.3	0.092	6.00	19.7		10	125	3	6.9	0.70				0.092	
4	CLEAR	0.0	16.4	0.103	6.00	20.1		9	100	2	7.0	0.70				0.159	
5	CLOUDY	0.0	26.2	0.160	5.80	20.6		9	150	1	7.0	0.70				0.137	
6	RAIN	0.0	8.2	0.051	5.90	21.2		10	100	4	7.1	0.90				0.090	
7	CLOUDY	0.0	18.5	0.169	5.70	20.9		4	100	2	7.0	0.90				0.158	
8	CLEAR	0.0	26.0	0.132	5.50	19.6		6	200	5	7.0	0.80				0.183	
9	CLEAR	0.0	19.6	0.118	5.90	21.7		10	150	2	6.9	0.90				0.122	
10	CLEAR	0.0	30.1	0.129	5.80	17.1		7	200	1	6.8	1.00				0.124	
11	CLEAR	0.0	17.6	0.138	5.90	17.2		7	100	4	6.9	1.10				0.147	
12	CLEAR	0.0	16.6	0.106	5.80	17.6		8	300	3	6.8	1.00				0.109	
13	CLEAR	0.0	15.9	0.101	5.80	17.8		7	175	2	6.8	6.90				0.105	
14	CLEAR	20.0	0.0	0.094	5.90	17.7		9	200	1	7.1	6.80				0.061	
15	CLOUDY	24.9	0.0	0.149	6.40	19.1		4	100	1	7.0	0.80				0.174	
16	CLEAR	15.8	0.0	0.096	6.00	21.5		8	300	4	6.9	0.70				0.105	
17	CLEAR	15.7	0.0	0.088	6.00	19.1		6	150	3	7.0	0.90				0.101	
18	CLOUDY	22.8	0.0	0.138	5.90	18.6		10	150	1	7.0	1.00				0.161	
19	CLOUDY	16.3	0.0	0.099	6.10	17.7		7	225	3	7.3	0.70				0.102	
20	CLOUDY	15.6	0.0	0.084	5.60	17.6		8	100	3	7.2	0.70				0.104	
21	CLOUDY	10.0	0.0	0.062	5.70	16.4		6	125	1	6.9	0.80				0.059	
22	CLEAR	17.7	0.0	0.108	5.70	17.0		8	150	2	6.9	0.70				0.131	
23	CLEAR	23.6	0.0	0.143	6.00	17.8		6	175	2	7.3	0.90				0.159	
24	CLEAR	15.7	0.0	0.148	5.70	19.4		10	200	3	7.2	1.00				0.107	
25	CLEAR	23.8	0.0	0.144	5.50	19.0		10	150	2	7.1	0.70				0.168	
26	CLEAR	16.7	0.0	0.098	5.90	22.5		7	225	3	7.4	0.90				0.101	
27	CLEAR	16.5	0.0	0.099	5.70	19.9		7	125	3	7.2	1.10				0.104	
28	CLEAR	10.5	0.0	0.108	5.60	17.9		7	175	2	7.3	1.30				0.127	
29	CLOUDY	18.5	0.0	0.112	6.00	20.1		6	100	2	7.3	0.90				0.119	
30	CLOUDY	17.9	0.0	0.153	6.10	20.9		10	175	3	7.2	1.00				0.144	
31	CLOUDY	29.6	0.0	0.186	5.70	21.5		11	250	1	7.3	1.10				0.188	
TOTAL		331.6	260.6	3.682				244	5125	74						3.868	
AVERAGE		10.7	8.4	0.119	5.85	19.4		8	165	2	7.07	1.27				0.125	
MIN		0.0	0.0	0.051	5.50	16.4					6.80	0.70				0.059	
MAX		29.6	30.1	0.186	6.40	22.5					7.40	6.90				0.188	